

**Anti-Zeta COP Antibody**  
**Rabbit polyclonal antibody to Zeta COP**  
**Catalog # AP60557****Specification**

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**Anti-Zeta COP Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P61923</a>
Other Accession	<a href="#">P61924</a>
Reactivity	Human, Mouse, Rat, Monkey, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20198

**Anti-Zeta COP Antibody - Additional Information****Gene ID** 22818**Other Names**

COPZ; Coatomer subunit zeta-1; Zeta-1-coat protein; Zeta-1 COP

**Target/Specificity**

Recognizes endogenous levels of Zeta COP protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

IHC~~1:100~500

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-Zeta COP Antibody - Protein Information****Name** COPZ1**Synonyms** COPZ**Function**

The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. Coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins (By similarity). The zeta subunit may be involved in regulating the coat assembly and, hence, the rate of biosynthetic protein transport due to its association-dissociation properties with

the coatomer complex (By similarity).

#### Cellular Location

Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side.

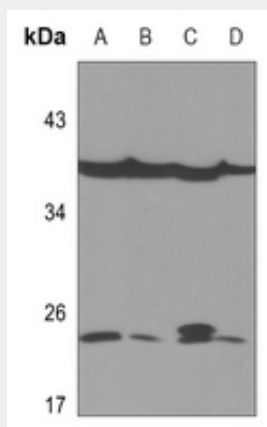
Cytoplasmic vesicle, COPI-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Note=The coatomer is cytoplasmic or polymerized on the cytoplasmic side of the Golgi, as well as on the vesicles/buds originating from it.

#### Anti-Zeta COP Antibody - Protocols

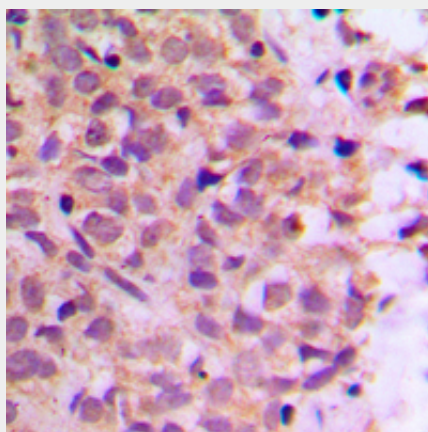
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Anti-Zeta COP Antibody - Images



Western blot analysis of Zeta COP expression in mouse liver (A), mouse lung (B), rat liver (C), rat lung (D) whole cell lysates.



Immunohistochemical analysis of Zeta COP staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**Anti-Zeta COP Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Zeta COP. The exact sequence is proprietary.